Docket No.: 50277-2390

AMENDMENTS TO SPECIFICATION

Please replace paragraph [0028] with the following amended paragraph:

[0028] Referring to Fig. 8, an embodiment maintains a buffer map table 803 and a pre-allocated buffer pool 805 in the L1 cache 804. In response to executing a query, the database server spawns an application process 801 to execute the query, and requests memory from the L1 cache for the query's working set. The buffer pool manager 802 intercepts the memory request and checks the map table 803 for free memory in the L1 cache 804. A free location in the map table 803 indicates that a buffer is free in the buffer pool 805. The buffer pool manager 802 allocates a buffer from the buffer pool 805 to the application process 801 by marking the free location in the map table 803 as "in use" and pointing the application process 801 to the location in the map table 803 corresponding to the buffer in the buffer pool 805.

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